

**APPENDIX B4 – GUIDE SIGNS
DIMENSION DESCRIPTIONS**

M1-1: Interstate Route – Sheet 1

- A is the length of each edge of the sign.
- B is the border width and the width of the dividing line.
- C is the distance from the top of the dividing line to the top of the sign.
- D is the letter height and FHWA standard font for the second line.
- E is the distance from the bottom of the last line to the bottom of the sign.
- F is the distance from the top of the dividing line to the top of the sign.
- G is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- H is the distance from the top of the first line to the border.
- J is the vertical height of the curved edge of the sign.
- K is the horizontal length of the curved edge of the sign.
- L is the distance from the top of the first line to the top of the sign.
- M is the letter height and FHWA standard font for the first line.
- N is the distance from the vertical center of the sign to the left edge of the first line.
- P is the distance from the vertical center of the sign to the right edge of the first line.

M1-1: Interstate Route – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width and the width of the dividing line.
- D is the distance from the top of the second line to the top of the sign.
- E is the letter height and FHWA standard font for the second line.
- F is the distance from the bottom of the last line to the bottom of the sign.
- G is the distance from the top of the dividing line to the top of the sign.
- H is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- J is the distance from the top of the first line to the border.
- K is the vertical height of the curved edge of the sign.
- L is the horizontal length of the curved edge of the sign.
- M is the distance from the top of the first line to the top of the sign.
- N is the letter height and FHWA standard font for the first line.
- P is the distance from the vertical center of the sign to the left edge of the first line.
- Q is the distance from the vertical center of the sign to the right edge of the first line.

M1-1a: Interstate Route-Independent Route Assembly Use – Sheet 1

- A is the length of each edge of the sign.
- B is the border width and the width of the dividing line.
- C is the distance from the top of the third line to the top of the sign.
- D is the letter height and FHWA standard font for the third line.
- E is the distance from the bottom of the last line to the bottom of the sign.
- F is the distance from the top of the dividing line to the top of the sign.
- G is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- H is the distance from the top of the first line to the border.
- J is the vertical height of the curved edge of the sign.
- K is the horizontal length of the curved edge of the sign.
- L is the distance from the top of the first line to the top of the sign.
- M is the letter height and FHWA standard font for the first line.
- N is the letter height and FHWA standard font for the second line.
- P is the distance from the vertical center of the sign to the left edge of the first line.
- Q is the distance from the vertical center of the sign to the right edge of the first line.
- R is the width of each word on the second line.
- S is the space between the words on the second line.

M1-1a: Interstate Route-Independent Route Assembly Use – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width and the width of the dividing line.
- D is the distance from the top of the third line to the top of the sign.
- E is the letter height and FHWA standard font for the third line.
- F is the distance from the bottom of the last line to the bottom of the sign.
- G is the distance from the top of the dividing line to the top of the sign.
- H is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- J is the distance from the top of the first line to the border.
- K is the vertical height of the curved edge of the sign.
- L is the horizontal length of the curved edge of the sign.
- M is the distance from the top of the first line to the top of the sign.
- N is the letter height and FHWA standard font for the first line.
- P is the letter height and FHWA standard font for the second line.
- Q is the distance from the vertical center of the sign to the left edge of the first line.
- R is the distance from the vertical center of the sign to the right edge of the first line.
- S is the distance from the vertical center of the sign to the left and right edges of the second line.

M1-2: Off-Interstate Route – Loop – Sheet 1

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the third line to the top of the sign.
- D is the letter height and FHWA standard font for the third line.
- E is the distance from the bottom of the last line to the bottom of the sign.
- F is the distance from the top of the dividing line to the top of the sign.
- G is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- H is the distance from the top of the first line to the border.
- J is the vertical height of the curved edge of the sign.
- K is the horizontal length of the curved edge of the sign.
- L is the distance from the top of the first line to the top of the sign.
- M is the letter height and FHWA standard font for the first line.
- N is the letter height and FHWA standard font for the second line.
- P is the distance from the vertical center of the sign to the left edge of the first line.
- Q is the distance from the vertical center of the sign to the right edge of the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the second line.
- S is the width of the dividing line.

M1-2: Off-Interstate Route – Loop – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the third line to the top of the sign.
- E is the letter height and FHWA standard font for the third line.
- F is the distance from the bottom of the last line to the bottom of the sign.
- G is the distance from the top of the dividing line to the top of the sign.
- H is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- J is the distance from the top of the first line to the border.
- K is the vertical height of the curved edge of the sign.
- L is the horizontal length of the curved edge of the sign.
- M is the distance from the top of the first line to the top of the sign.
- N is the letter height and FHWA standard font for the first line.
- P is the letter height and FHWA standard font for the second line.
- Q is the distance from the vertical center of the sign to the left edge of the first line.
- R is the distance from the vertical center of the sign to the right edge of the first line.
- S is the distance from the vertical center of the sign to the left and right edges of the second line.
- T is the width of the dividing line.

M1-3: Off-Interstate Route – Spur – Sheet 1

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the third line to the top of the sign.
- D is the letter height and FHWA standard font for the third line.
- E is the distance from the bottom of the last line to the bottom of the sign.
- F is the distance from the top of the dividing line to the top of the sign.
- G is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- H is the distance from the top of the first line to the border.
- J is the vertical height of the curved edge of the sign.
- K is the horizontal length of the curved edge of the sign.
- L is the distance from the top of the first line to the top of the sign.
- M is the letter height and FHWA standard font for the first line.
- N is the letter height and FHWA standard font for the second line.
- P is the distance from the vertical center of the sign to the left edge of the first line.
- Q is the distance from the vertical center of the sign to the right edge of the first line.
- R is the distance from the vertical center of the sign to the left edge of the second line.
- S is the distance from the vertical center of the sign to the right edge of the second line.
- T is the width of the dividing line.

M1-3: Off-Interstate Route – Spur – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimensions of the sign.
- C is the border width.
- D is the distance from the top of the third line to the top of the sign.
- E is the letter height and FHWA standard font for the third line.
- F is the distance from the bottom of the last line to the bottom of the sign.
- G is the distance from the top of the dividing line to the top of the sign.
- H is the distance from the point of curvature for the right edge of the sign to the upper left corner, left edge, and bottom apex of the sign.
- J is the distance from the top of the first line to the border.
- K is the vertical height of the curved edge of the sign.
- L is the horizontal length of the curved edge of the sign.
- M is the distance from the top of the first line to the top of the sign.
- N is the letter height and FHWA standard font for the first line.
- P is the letter height and FHWA standard font for the second line.
- Q is the distance from the vertical center of the sign to the left edge of the first line.
- R is the distance from the vertical center of the sign to the right edge of the first line.
- S is the distance from the vertical center of the sign to the left edge of the second line.
- T is the distance from the vertical center of the sign to the right edge of the second line.
- U is the width of the dividing line.

M1-4: U.S. Route – Sheet 1

- A is the length of each edge of the sign.
- B is the angle of each curve on the top and bottom of the panel. B is also the vertical height from the top of the first line to the top of the sign.
- C is the letter height and FHWA standard font for the line.
- D is the horizontal distance from the intersection point of the number “4” to the left edge of the panel and the bottom of the line to the bottom of the sign.
- E is the distance between the side and bottom curves.
- F is the distance from the flat bottom edge of the panel to the bottom of the sign.
- G is the angle of each curve on the sides of the panel.
- H is the width of each curve on the top of the panel.
- J is the distance from the apex of the upper corners to the side and top edges of the sign.
- K is the distance from the edges of the panel to the edges of the sign.
- L is the distance from the central angle of each arc at the top of the panel to the left and right edges of the sign.
- M is the distance from the central angle of each arc at the top of the panel to the top of the sign.
- N is the distance from the central angle of each arc on the sides of the panel to the left and right edges of the sign.
- P is the distance from the apex of each arc on the sides of the panel to the top of the sign.
- Q is the distance from the central angle of each arc at the bottom of the panel to the bottom of the sign.
- R is the distance from the central angle of each arc at the bottom of the panel to the left and right edges of the sign.
- S is the corner radius.

M1-4: U.S. Route – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the angle of each curve on the top and bottom of the panel. C is the vertical height from the top of the first line to the top of the sign
- D is the letter height and FHWA standard font for the line.
- E is the distance from the bottom of the line to the bottom of the sign.
- F is the distance between the side and bottom curves.
- G is the distance from the flat bottom edge of the panel to the bottom of the sign.
- H is the angle of each curve on the sides of the panel.
- J is the width of each curve on the top of the panel.
- K is the distance from the apex of the upper corners to the side and top edges of the sign.
- L is the distance from the edges of the panel to the edges of the sign.
- M is the distance from the central angle of each arc at the top of the panel to the left and right edges of the sign.
- N is the distance from the central angle of each arc at the top of the panel to the top of the sign.
- P is the distance from the central angle of each arc on the sides of the panel to the left and right edges of the sign.
- Q is the distance from the apex of each arc on the sides of the panel to the top of the sign.
- R is the distance from the central angle of each arc at the bottom of the panel to the bottom of the sign.
- S is the distance from the central angle of each arc at the bottom of the panel to the left and right edges of the sign.
- T is the corner radius.

M1-4: U.S. Route – Sheet 3

- A is the horizontal and vertical dimension of the sign.
- B is the distance from the top of the first line to the top of the plaque.
- C is the letter height and FHWA standard font for the line.
- D is the distance from the bottom of the line to the bottom of the plaque.
- E is the distance between the side and bottom curves.
- F is the angle of each curve on the top and bottom of the panel and the distance of where the apex of the top corners meet horizontally and vertically.
- G is the distance from the intersection point of the number “4” to the left edge of the panel, the width of each curve on the top of the panel, and angle of each curve on the sides of the panel.
- H is the distance from the flat bottom edge of the panel to the bottom of the plaque.
- J is the distance from the central angle of each arc at the bottom of the panel to the bottom of the plaque.
- K is the distance from the central angle of each arc at the bottom of the panel to the left and right edges of the plaque.
- L is the distance from the central angle of each arc at the top of the panel to the top of the plaque.
- M is the distance from the central angle of each arc at the top of the plaque to the top of the plaque.
- N is the distance from the central angle of each arc on the sides of the plaque to the left and right edges of the plaque.
- P is the distance from the apex of each arc on the sides of the plaque to the top of the plaque.

M1-4: U.S. Route – Sheet 4

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the first line to the top of the plaque.
- D is the letter height and FHWA standard font for the line.
- E is the distance from the bottom of the line to the bottom of the plaque.
- F is the distance between the side and bottom curves.
- G is the angle of each curve on the top and bottom of the panel and the distance of where the apex of the top corners meet horizontally and vertically.
- H is the angle of each curve on the sides of the panel and is the distance from the intersection point of the number “4” to the left edge of the panel.
- J is the width of each curve on the top of the panel.
- K is the angle of each curve on the top of the plaque.
- L is the distance from the central angle of each arc at the top of the panel to the top of the plaque.
- M is the distance from the central angle of each arc on the sides of the plaque to the left and right edges of the plaque.
- N is the distance from the apex of each arc on the sides of the plaque to the top of the plaque.
- P is the distance from the central angle of each arc at the bottom of the panel to the bottom of the plaque.
- R is the distance from the central angle of each arc at the bottom of the panel to the left and right edges of the plaque.

M1-5: State Route – Sheet 1

- A is the length of each edge of the sign.
- B is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- C is the letter height and FHWA standard font for the line.
- D is the circle panel radius.
- E is the distance from the top, bottom, left, and right edges of the oval to the edges of the sign.
- F is the corner radius.

M1-5: State Route – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- D is the letter height and FHWA standard font for the line.
- E is the distance from the top, bottom, left, and right edges of the oval to the edges of the sign.
- F is the distance from the vertical center of the sign to the apex of each arc on both sides of the sign.
- G is the distance from the apex of each arc to the edge of the panel.
- H is the corner radius.

M1-5: State Route – Sheet 3

- A is the horizontal and vertical dimension of the sign.
- B is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- C is the letter height and FHWA standard font for the line.
- D is the circle sign radius.

M1-5: State Route – Sheet 4

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- D is the letter height and FHWA standard font for the line.
- E is the distance from the vertical center of the sign to the apex of each arc on both sides of the sign.
- F is the distance from the apex of each arc to the edge of the panel.

M1-6: County Route

- A is the horizontal and vertical dimensions of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign.
- D is the letter height and FHWA standard font for the first and third lines
- E is the space between the lines.
- F is the letter height and FHWA standard font for the second line.
- G is the distance from the bottom of the third line to the bottom of the sign.
- H is the length of the bottom edge of the sign.
- J is the distance from the vertical center of the sign to the center of the curves in the top right and left corners.
- K is the radius for the top left and right corners.
- L is the distance from the center points of the top left and right corners to the top of the sign.
- M is the radius of the top center curve.
- N is the distance from the vertical center of the sign to the left and right edges of the first line.
- P is the distance from the vertical center of the sign to the left and right edges of the second line.
- Q is the distance from the vertical center of the sign to the left edge of the third line.
- R is the distance from the vertical center of the sign to the right edge of the third line.

M1-7: Forest Route

- A is the vertical dimension and length of the top edge of the sign.
- B is the length of the bottom edge of the sign.
- C is the border width and the width of the horizontal dividing line.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the first line to the bottom of the horizontal dividing line.
- E is the letter height and FHWA standard font for the first line.
- F is the distance from the bottom of the dividing line to the top of the second line.
- G is the height of the two lines below the dividing line.
- H is the distance from the bottom of the third line to the bottom of the sign.
- J is the distance from the vertical center of the sign to the center of the curve in the top left corner.
- K is the radius of each corner.
- L is the distance from the vertical center of the sign to the center of the curve in the bottom corners.
- M is the radius for each top corner.
- N is the radius for each bottom corner.

M1-8: State or Local Bicycle Route

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the top and bottom edges of the oval.
- D is the distance from the top of the bicycle symbol to the top of the sign.
- E is the height of the bicycle symbol.
- F is the space between the lines.
- G is the letter height and FHWA standard font for the second line.
- H is the distance from the bottom of the last line to the bottom of the oval.
- J is the inset from the edge of the sign to the left and right edges of the oval.
- K is the corner radius.

M1-8a: State or Local Bicycle Route

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the top of the oval to the top of the sign and from the bottom of the oval to the bottom of the sign.
- D is the distance from the top of the oval to the top of the white panel.
- E is the height of the white panel.
- F is the space between the panel and symbol on the first line and between the lines.
- G is the height of the symbol.
- H is the letter height and FHWA standard font for the second line.
- J is the distance from the bottom of the last line to the bottom of the oval.
- K is the distance from the left and right edges of the oval to the left and right edges of the sign.
- L is the corner radius.

M1-8b: Non-Numbered Bicycle Route (2 lines)

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the bicycle symbol to the top of the sign and from the bottom of the last line to the bottom of the sign.
- D is the height of the bicycle symbol.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for each line.
- G is the space between the second and third lines.
- H is the distance from the vertical center of the sign to the left and right edges of the second line.
- J is the distance from the vertical center of the sign to the left and right edges of the third line.
- K is the corner radius.

M1-8c: Non-Numbered Bicycle Route (3 lines)

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the bicycle symbol to the top of the sign and from the bottom of the last line to the bottom of the sign.
- D is the height of the bicycle symbol.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for each line.
- G is the space between the second and third and third and fourth lines.
- H is the distance from the vertical center of the sign to the left and right edges of the second line.
- J is the distance from the vertical center of the sign to the left and right edges of the third line.
- K is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- L is the corner radius.

M1-9: U.S. Bicycle Route

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the distance from the edge of the rectangular panel to the bottom and left and right edges of the sign.
- D is the distance from the top of the shield-shaped panel to the top of the sign.
- E is the distance from the top of the first line to the top of the shield-shaped panel and from the bottom of the bicycle symbol to the bottom of the shield-shaped panel.
- F is the letter height and FHWA standard font for the first line on the shield-shaped panel.
- G is the space between the first line and the bicycle symbol.
- H is the height of the bicycle symbol.
- J is the space between the shield-shaped and rectangular panels and the distance from the top of the line on the rectangular panel to the top of the rectangular panel.
- K is the letter height and FHWA standard font for the line on the rectangular panel.
- L is the distance from the bottom of the line on the rectangular panel to the bottom of the sign.
- M is the height and diagonal distances of the shield-shaped panel.
- N is the height of the rectangular panel.
- P is the distance from the vertical center of the sign to the left edge of the first line on the shield-shaped panel.
- Q is the distance from the vertical center of the sign to the right edge of the first line on the shield-shaped panel.
- R is the distance from the vertical center of the sign to the right edge of the first letter on the first line on the shield-shaped panel.
- S is the distance from the vertical center of the sign to the left edge of the second letter on the first line on the shield-shaped panel.
- T is the corner radius of the rectangular panel.
- U is the corner radius.

M1-10: Eisenhower Interstate System

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the star pattern to the top of the sign.
- D is the height of the star pattern.
- E is the space between the star pattern and the first line.
- F is the letter height and FHWA standard font for each line.
- G is the space between the first and second lines.
- H is the distance from the bottom of the last line to the bottom of the sign.
- J is the distance from the vertical center of the sign to the left and right edges of the first line.
- K is the distance from the vertical center of the sign to the left edge of the second line.
- L is the distance from the vertical center of the sign to the right edge of the second line.
- M is the distance from the vertical center of the sign to the left edge of the third line.
- N is the distance from the vertical center of the sign to the right edge of the third line.
- P is the corner radius.

M1-10a: Eisenhower Interstate System

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the star pattern to the top of the sign and from the bottom of the last line to the bottom of the sign.
- D is the height of the star pattern.
- E is the space between the star pattern and the first line.
- F is the height of the three lines.
- G is the corner radius.

M2-1P: Junction (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M2-1P: Junction (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the word.
- G is the distance from the vertical center of the plaque to the right edge of the word.
- H is the corner radius.

M2-2: Combination Junction (plaque)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the line to the top of the sign.
- E is the letter height and FHWA standard font for the line.
- F is the space between the line and the symbols and the distance from the bottom of the symbols to the bottom of the sign.
- G is the height of each symbol and the letter height and FHWA standard font for the symbol numbers.
- H is the distance from the vertical center of the sign to the left and right edges of the line.
- J is the width of each symbol.
- K is the distance from the vertical center of the sign to the right edge of the symbol on the left and to the left edge of the symbol on the right.
- L is the corner radius.

M3-1P: Cardinal Direction – North (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of last three letters of the word to the top of the plaque.
- F is the letter height and FHWA standard font for the last three letters of the word.
- G is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- H is the letter height and FHWA standard font for the first letter of the word.
- J is the distance from the vertical center of the plaque to the left edge of the line.
- K is the distance from the vertical center of the plaque to the right edge of the line.
- L is the corner radius.

M3-1P: Cardinal Direction – North (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the last three letters of the word to the top of the plaque.
- E is the letter height and FHWA standard font for the last three letters of the word.
- F is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- G is the letter height and FHWA standard font for the first letter of the word.
- H is the distance from the vertical center of the plaque to the left edge of the line.
- J is the distance from the vertical center of the plaque to the right edge of the line.
- K is the corner radius.

M3-2P: Cardinal Direction – East (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the last three letters of the word to the top of the plaque.
- F is the letter height and FHWA standard font for the last three letters of the word.
- G is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- H is the letter height and FHWA standard font for the first letter of the word.
- J is the distance from the vertical center of the plaque to the left edge of the line.
- K is the distance from the vertical center of the plaque to the right edge of the line.
- L is the corner radius.

M3-2P: Cardinal Direction – East (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the last three letters of the word to the top of the plaque.
- E is the letter height and FHWA standard font for the last three letters of the word.
- F is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- G is the letter height and FHWA standard font for the first letter of the word.
- H is the distance from the vertical center of the plaque to the left edge of the line.
- J is the distance from the vertical center of the plaque to the right edge of the line.
- K is the corner radius.

M3-3P: Cardinal Direction – South (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the last three letters of the word to the top of the sign.
- F is the letter height and FHWA standard font for the last three letters of the word.
- G is the distance from the top of the first letter to the top of the sign and from the bottom of the line to the bottom of the sign.
- H is the letter height and FHWA standard font for the first letter of the word.
- J is the distance from the vertical center of the sign to the left edge of the line.
- K is the distance from the vertical center of the sign to the right edge of the line.
- L is the corner radius.

M3-3P: Cardinal Direction – South (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the last three letters to the top of the sign.
- E is the letter height and FHWA standard font for the last three letters of the word.
- F is the distance from the top of the first letter to the top of the sign and from the bottom of the line to the bottom of the sign.
- G is the letter height and FHWA standard font for the first letter of the word.
- H is the distance from the vertical center of the sign to the left edge of the line.
- J is the distance from the vertical center of the sign to the right edge of the line.
- K is the corner radius.

M3-4P: Cardinal Direction – West (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of last three letters of the word to the top of the plaque.
- F is the letter height and FHWA standard font for the last three letters of the word.
- G is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- H is the letter height and FHWA standard font for the first letter of the word.
- J is the distance from the vertical center of the plaque to the left edge of the line.
- K is the distance from the vertical center of the plaque to the right edge of the line.
- L is the corner radius.

M3-4P: Cardinal Direction – West (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the last three letters of the word to the top of the plaque.
- E is the letter height and FHWA standard font for the last three letters of the word.
- F is the distance from the top of the first letter of the word to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- G is the letter height and FHWA standard font for the first letter of the word.
- H is the distance from the vertical center of the plaque to the left edge of the line.
- J is the distance from the vertical center of the plaque to the right edge of the line.
- K is the corner radius.

M4-1P: Alternate (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the line.
- H is the distance from the vertical center of the plaque to the right edge of the line.
- J is the corner radius.

M4-1P: Alternate (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the line.
- G is the distance from the vertical center of the plaque to the right edge of the line.
- H is the corner radius.

M4-1aP: Alternate (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the line.
- H is the distance from the vertical center of the plaque to the right edge of the line.
- J is the corner radius.

M4-1aP: Alternate (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the line.
- G is the distance from the vertical center of the plaque to the right edge of the line.
- H is the corner radius.

M4-2P: By-Pass (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the width of the first word.
- H is the space between the first word and the hyphen.
- J is the width of the hyphen.
- K is the space between the hyphen and the second word.
- L is the distance from the vertical center of the plaque to the left edge of the second word.
- M is the distance from the vertical center of the plaque to the right edge of the second word.
- N is the corner radius.

M4-2P: By-Pass (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the width of the first word.
- G is the space between the first word and the hyphen.
- H is the width of the hyphen.
- J is the space between the hyphen and the second word.
- K is the distance from the vertical center of the plaque to the left edge of the second word.
- L is the distance from the vertical center of the plaque to the right edge of the second word.
- M is the corner radius.

M4-3P: Business (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M4-3P: Business (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- E is the letter height and FHWA standard font for the word.
- F is the distance from the vertical center of the plaque to the left edge of the word.
- G is the distance from the vertical center of the plaque to the right edge of the word.
- H is the corner radius.

M4-4P: Truck (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M4-5P: To (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M4-5P: To (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- E is the letter height and FHWA standard font for the word.
- F is the distance from the vertical center of the plaque to the left edge of the word.
- G is the distance from the vertical center of the plaque to the right edge of the word.
- H is the corner radius.

M4-6P: End (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the line.
- H is the distance from the vertical center of the plaque to the right edge of the line.
- J is the corner radius.

M4-6P: End (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the border distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the line.
- G is the distance from the vertical center of the plaque to the right edge of the line.
- H is the corner radius.

M4-7P: Temporary (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M4-7P: Temporary (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- E is the letter height and FHWA standard font for the word.
- F is the distance from the vertical center of the plaque to the left edge of the word.
- G is the distance from the vertical center of the plaque to the right edge of the word.
- H is the corner radius.

M4-7aP: Temporary (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- E is the letter height and FHWA standard font for the word.
- F is the distance from the vertical center of the plaque to the left edge of the word.
- G is the distance from the vertical center of the plaque to the right edge of the word.
- H is the corner radius.

M4-7aP: Temporary (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the word to the top of the plaque and from the bottom of the word to the bottom of the plaque.
- F is the letter height and FHWA standard font for the word.
- G is the distance from the vertical center of the plaque to the left edge of the word.
- H is the distance from the vertical center of the plaque to the right edge of the word.
- J is the corner radius.

M4-11: Emergency Route – Sheet 1

M4-11R

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign.
- D is the letter height and FHWA standard font for the first line.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for the second line.
- G is the space between the second line and the arrowhead.
- H is the height of the arrow.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the letter height and FHWA standard font for the letter on the third line.
- L is the distance from the vertical center of the sign to the left and right edges of the first line.
- M is the distance from the vertical center of the sign to the left edge of the second line.
- N is the distance from the vertical center of the sign to the right edge of the second line.
- P is the distance from the left and right edges of the sign to the left and right edges of the third line.
- Q is the width of the letter on the third line.
- R is the distance from the vertical center of the sign to the right edge of the letter on the third line.
- S is the width of the arrow
- T is the height of the arrowhead.
- U is the corner radius of the exterior fillet of the bend in the arrow shaft.
- V is the radius of the interior fillet of the bend in the arrow shaft.
- W is the corner radius.

M4-11L

- Q is the width of the letter on the third line.
- R is the distance from the vertical center of the sign to the left edge of the letter on the third line.
- S is the width of the arrow.

M4-11: Emergency Route – Sheet 2

M4-11R:

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign.
- D is the letter height and FHWA standard font for the first line.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for the second line.
- G is the space between the second line and the arrowhead.
- H is the height of the arrowhead.
- J is the distance from the bottom of the arrowhead to the bottom of the sign.
- K is the distance from the bottom of the letter on the last line to the bottom of the sign.
- L is the letter height and FHWA standard font for the letter on the third line.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the distance from the vertical center of the sign to the left edge of the second line.
- P is the distance from the vertical center of the sign to the right edge of the second line.
- Q is the distance from the left and right edges of the third line to the edges of the sign.
- R is the width of the letter on the third line.
- S is the distance from the vertical center of the sign to the right edge of the letter on the third line.
- T is the length of the arrow.
- U is the corner radius.

M4-11L:

- R is the width of the letter on the third line.
- S is the distance from the vertical center of the sign to the left edge of the letter on the third line.
- T is the length of the arrow.

M4-11: Emergency Route – Sheet 3

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign.
- D is the letter height and FHWA standard font for the first line.
- E is the space between the first and second lines.
- F is the letter height and FHWA standard font for the second line.
- G is the space between the second line and the third line.
- H is the letter height and FHWA standard font for the letter on the third line.
- J is the distance from the bottom of the letter on the last line to the bottom of the sign.
- K is the distance from the bottom of the arrowhead to the bottom of the sign.
- L is the height of the arrowhead.
- M is the distance from the vertical center of the sign to the left and right edges of the first line.
- N is the distance from the vertical center of the sign to the left edge of the second line.
- P is the distance from the vertical center of the sign to the right edge of the second line.
- Q is the distance from the left edge of the arrowhead to the left edge of the sign.
- R is the width of the arrow
- S is the distance from the right edge of the arrowhead to the left edge of the letter on the last line.
- T is the width of the letter on the third line.
- U is the distance from the right edge of the third line to the right edge of the sign.
- V is the corner radius.

M4-11a: Emergency Route – Sheet 1

M4-11aR:

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the panel to the top of the sign.
- D is the distance from the top of the first line to the top of the panel.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the first and second lines.
- G is the letter height and FHWA standard font for the second line
- H is the space between the panel and the third line.
- J is the arrow height.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the letter height and FHWA standard font for the letter on the third line
- M is the distance from the vertical center of the sign to the left and right edges of the panel.
- N is the distance from the vertical center of the sign to the left and right edges of the first line.
- P is the distance from the vertical center of the sign to the left edge of the second line.
- Q is the distance from the vertical center of the sign to the right edge of the second line.
- R is the corner radius of the panel.
- S is the distance from the left and right edges of the third line to the edges of the sign.
- T is the width of the letter on the third line.
- U is the distance from the vertical center of the sign to the right edge of the letter on the third line.
- V is the width of the arrow.
- W is the height of the arrowhead.
- X is the corner radius of the exterior fillet of the bend in the arrow shaft.
- Y is the radius of the interior fillet of the bend in the arrow shaft.
- Z is the height of the panel.
- AA is the corner radius.

M4-11aL:

- T is the width of the letter on the third line.
- U is the distance from the vertical center of the sign to the left edge of the letter on the third line.
- V is the width of the arrow.

M4-11a: Emergency Route – Sheet 2

M4-11aR:

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the panel to the top of the sign.
- D is the distance from the top of the first line to the top of the panel.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the first and second lines.
- G is the letter height and FHWA standard font for the second line
- H is the space between the panel and the top of the arrow.
- J is the arrow height.
- K is the distance from the bottom of the arrow to the bottom of the sign.
- L is the distance from the bottom of the last line to the bottom of the sign.
- M is the letter height and FHWA standard font for the letter on the third line
- N is the distance from the vertical center of the sign to the left and right edges of the panel.
- P is the distance from the vertical center of the sign to the left and right edges of the first line.
- Q is the distance from the vertical center of the sign to the left edge of the second line.
- R is the distance from the vertical center of the sign to the right edge of the second line.
- S is the corner radius of the panel.
- T is the distance from the left and right edges of the third line to the edges of the sign.
- U is the width of the letter on the third line.
- V is the distance from the vertical center of the sign to the right edge of the letter on the third line.
- W is the width of the arrow.
- X is the height of the panel.
- Y is the corner radius.

M4-11aL:

- U is the width of the letter on the third line.
- V is the distance from the vertical center of the sign to the left edge of the letter on the third line.
- W is the width of the arrow.

M4-11a: Emergency Route – Sheet 3

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the panel to the top of the sign.
- D is the distance from the top of the first line to the top of the panel.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the first and second lines.
- G is the letter height and FHWA standard font for the second line
- H is the space between the panel and the top of the letter in the last line.
- J is the letter height and FHWA standard font for the letter on the third line.
- K is the distance from the bottom of the last line to the bottom of the sign.
- L is the distance from the bottom of the arrow to the bottom of the sign.
- M is the arrow height.
- N is the distance from the vertical center of the sign to the left and right edges of the panel.
- P is the distance from the vertical center of the sign to the left and right edges of the first line.
- Q is the distance from the vertical center of the sign to the left edge of the second line.
- R is the distance from the vertical center of the sign to the right edge of the second line.
- S is the corner radius of the panel.
- T is the distance from the left edge of the arrow to the left edge of the sign.
- U is the width of the arrow.
- V is the distance from the arrow to the letter on the last line.
- W is the width of the letter on the third line.
- X is the distance from the right edge of the letter on the last line to the right edge of the panel.
- Y is the height of the panel.
- Z is the corner radius.

M4-11bP: Emergency Route To (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the lines.
- G is the letter height and FHWA standard font for the second line.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left edge of the first word on the second line.
- L is the distance from the vertical center of the plaque to the right edge of the first word on the second line.
- M is the space between the first and second words on the second line.
- N is the width of the second word on the second line.
- P is the corner radius.

M4-11cP: Emergency Route To (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the last line.
- J is the distance from the vertical center of the plaque to the left edge of the first line.
- K is the distance from the vertical center of the plaque to the right edge of the first line.
- L is the distance from the vertical center of the plaque to the left edge of the first word on the last line.
- M is the distance from the vertical center of the plaque to the right edge of the first word on the last line.
- M is the space between the first and second words on the last line.
- P is the width of the second word on the last line.
- Q is the corner radius.

M4-12: End Emergency Route

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the lines.
- G is the letter height and FHWA standard font for the second line.
- H is the letter height and FHWA standard font for the third line.
- J is the distance from the vertical center of the sign to the left and right edges of the first line.
- K is the distance from the vertical center of the sign to the left and right edges of the second line.
- L is the distance from the vertical center of the sign to the left edge of the third line.
- M is the distance from the vertical center of the sign to the right edge of the third line.
- N is the corner radius.

M4-14P: Begin (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the vertical center of the plaque to the left edge of the line.
- H is the distance from the vertical center of the plaque to the right edge of the line.
- J is the corner radius.

M4-14P: Begin (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the line.
- G is the distance from the vertical center of the plaque to the right edge of the line.
- H is the corner radius.

M4-17: Toll Collector Symbol Panel

- A is the length of each edge of the sign.
- B is the distance from the top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- C is the height of the symbol.
- D is the distance from the vertical center of the sign to the left edge of the symbol.
- E is the corner radius.

M4-18: Exact Change Symbol Panel

- A is the length of each edge of the sign.
- B is the distance from the top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- C is the height of the symbol.
- D is the distance from the vertical center of the sign to the left edge of the symbol.
- E is the corner radius.

M5-1P: Advance Turn Arrow (plaque) – Sheet 1

M5-1PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top barb of the arrowhead to the top of the plaque.
- F is the distance from the top barb of the arrowhead to the top of the horizontal section of the arrow shaft.
- G is the distance from the top horizontal section of the arrow shaft to the bottom of the arrow symbol.
- H is the distance from the bottom the arrow symbol to the bottom of the plaque.
- J is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- K is the distance from the vertical center of the plaque to the tip of the arrowhead.
- L is the width of the arrow shaft.
- M is the outer corner radius of the bend in the arrow shaft.
- N is the inner corner radius of the bend in the arrow shaft.
- P is the distance from the vertical center of the plaque to the inner edge of the vertical section of the arrow shaft.
- Q is the width of the arrowhead.
- R is the corner radius.

M5-1PL:

- J is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- K is the distance from the vertical center of the plaque to the tip of the arrowhead.

M5-1P: Advance Turn Arrow (plaque) – Sheet 2

M5-1PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top barb of the arrowhead to the top of the plaque.
- E is the distance from the top barb of the arrowhead to the top of the horizontal section of the arrow shaft.
- F is the distance from the horizontal section of the arrow shaft to the bottom of the arrow symbol.
- G is the distance from the bottom of the arrow symbol to the bottom of the plaque.
- H is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- J is the distance from the vertical center of the plaque to the tip of the arrowhead.
- K is the width of the arrow shaft.
- L is the outer corner radius of the bend in the arrow shaft.
- M is the inner corner radius of the bend in the arrow shaft.
- N is the distance from the vertical center of the plaque to the inner edge of the vertical section of the arrow shaft.
- P is the width of the arrowhead.
- Q is the corner radius.

M5-1PL:

- H is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- J is the distance from the vertical center of the plaque to the tip of the arrowhead.

M5-2P: Advance Turn Arrow - Oblique (plaque) – Sheet 1

M5-2PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the arrow symbol to the top of the plaque.
- F is the height of the arrow symbol.
- G is the distance from the bottom of the arrow symbol to the bottom of the plaque.
- H is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- J is the distance from the vertical center of the plaque to the tip of the arrowhead.
- K is the width of the arrow shaft.
- L is the outer corner radius of the bend in the arrow shaft.
- M is the inner corner radius of the bend in the arrow shaft.
- N is the distance from the vertical center of the plaque to the inner edge of the vertical section of the arrow shaft.
- P is the width of the arrowhead.
- Q is the corner radius.

M5-2PL:

- H is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- J is the distance from the vertical center of the plaque to the tip of the arrowhead.

M5-2P: Advance Turn Arrow - Oblique (plaque) – Sheet 2

M5-2PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrow symbol to the top of the plaque.
- E is the height of the arrow symbol.
- F is the distance from the bottom of the arrow symbol to the bottom of the plaque.
- G is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- H is the distance from the vertical center of the plaque to the tip of the arrowhead.
- J is the width of the arrow shaft.
- K is the outer corner radius of the bend in the arrow shaft.
- L is the inner corner radius of the bend in the arrow shaft.
- M is the distance from the vertical center of the plaque to the inner edge of the vertical section of the arrow shaft.
- N is the width of the arrowhead.
- P is the corner radius.

M5-2PL:

- G is the distance from the vertical center of the plaque to the outer edge of the vertical section of the arrow shaft.
- H is the distance from the vertical center of the plaque to the tip of the arrowhead.

M5-3P: Advance Turn Arrow – Circular Intersection (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the arrow symbol to the top of the plaque.
- F is the height of the arrow symbol.
- G is the distance from the bottom of the arrow symbol to the bottom of the plaque.
- H is the width of the arrowhead.
- J is the distance from the vertical center of the plaque to the left and right edges of the arrow symbol.
- K is the distance from the tip of the arrowhead to the center of the second curve angle and to the end of the second curve.
- L is radius of the second curve.
- M is radius of the first curve.
- N is the length of the first straight section of the arrow shaft.
- P is the distance from the vertical center of the plaque to the left edge of the vertical section of the arrow shaft.
- Q is the width of the arrow shaft.
- R is the distance from the bottom of the arrow shaft to the center of the first curve angle.
- S is the corner radius.

M5-3P: Advance Turn Arrow – Circular Intersection (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrow symbol to the top of the plaque.
- E is the height of the arrow symbol.
- F is the distance from the bottom of the arrow symbol to the bottom of the plaque.
- G is the width of the arrowhead.
- H is the distance from the vertical center of the plaque to the left and right edges of the arrow symbol.
- J is the distance from the tip of the arrowhead to the center of the second curve angle and to the end of the second curve.
- K is radius of the second curve.
- L is radius of the first curve.
- M is the length of the first straight section of the arrow shaft.
- N is the distance from the vertical center of the plaque to the left edge of the vertical section of the arrow shaft.
- P is the width of the arrow shaft.
- Q is the distance from the bottom of the arrow shaft to the center of the first curve angle.
- R is the corner radius.

M5-4P: Lane Designation – Left Lane (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left edge of the second line.
- L is the distance from the vertical center of the plaque to the right edge of the second line.
- M is the corner radius.

M5-4P: Lane Designation – Left Lane (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the vertical center of the plaque to the left edge of the first line.
- H is the distance from the vertical center of the plaque to the right edge of the first line.
- J is the distance from the vertical center of the plaque to the left edge of the second line.
- K is the distance from the vertical center of the plaque to the right edge of the second line.
- L is the corner radius.

M5-5P: Lane Designation – Center Lane (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the lines.
- H is the letter height and FHWA standard font for the second line.
- J is the distance from the vertical center of the plaque to the left edge of the first line.
- K is the distance from the vertical center of the plaque to the right edge of the first line.
- L is the distance from the vertical center of the plaque to the left edge of the second line.
- M is the distance from the vertical center of the plaque to the right edge of the second line.
- N is the corner radius.

M5-5P: Lane Designation – Center Lane (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the lines.
- G is the letter height and FHWA standard font for the second line.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left edge of the second line.
- L is the distance from the vertical center of the plaque to the right edge of the second line.
- M is the corner radius.

M5-6P: Lane Designation – Right Lane (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the plaque to the left edge of the first line.
- J is the distance from the vertical center of the plaque to the right edge of the first line.
- K is the distance from the vertical center of the plaque to the left edge of the second line.
- L is the distance from the vertical center of the plaque to the right edge of the second line.
- M is the corner radius.

M5-6P: Lane Designation – Right Lane (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the vertical center of the plaque to the left edge of the first line.
- H is the distance from the vertical center of the plaque to the right edge of the first line.
- J is the distance from the vertical center of the plaque to the left edge of the second line.
- K is the distance from the vertical center of the plaque to the right edge of the second line.
- L is the corner radius.

M6-1P: Directional Arrow – Turn (plaque) – Sheet 1

M5-IPR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the arrowhead to the top of the plaque and from the bottom of the arrowhead to the bottom of the plaque.
- F is the height of the arrowhead.
- G is the distance from the vertical center of the plaque to the left edge of the arrow.
- H is the distance from the vertical center of the plaque to the right edge of the arrow.
- J is the corner radius.

M5-IPL:

- G is the distance from the vertical center of the plaque to the right edge of the arrow.
- H is the distance from the vertical center of the plaque to the left edge of the arrow.

M6-1P: Directional Arrow – Turn (plaque) – Sheet 2

M6-1PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrowhead to the top of the plaque and from the bottom of the arrowhead to the bottom of the plaque.
- E is the height of the arrowhead.
- F is the distance from the vertical center of the plaque to the left edge of the arrow.
- G is the distance from the vertical center of the plaque to the right edge of the arrow.
- H is the corner radius.

M6-1PL:

- F is the distance from the vertical center of the plaque to the right edge of the arrow.
- G is the distance from the vertical center of the plaque to the left edge of the arrow.

M6-2P: Directional Arrow – Oblique (plaque) – Sheet 1

M6-2PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the vertical center of the sign to the arrow tip.
- F is the distance from the horizontal center of the plaque to the arrow tip.
- G is the distance from the horizontal center of the plaque to the center of the arrow shaft.
- H is the distance from the vertical center of the plaque to the center of the arrow shaft.
- J is the length of the arrow.
- K is the width of the arrowhead.
- L is the corner radius.

M6-2PL:

- E is the distance from the vertical center of the sign to the arrow tip.
- F is the distance from the horizontal center of the plaque to the arrow tip.

M6-2P: Directional Arrow – Oblique (plaque) – Sheet 2

M6-2PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the vertical center of the sign to the arrow tip.
- E is the distance from the horizontal center of the plaque to the arrow tip.
- F is the distance from the horizontal center of the plaque to the center of the arrow shaft.
- G is the distance from the vertical center of the plaque to the center of the arrow shaft.
- H is the length of the arrow.
- J is the width of the arrowhead.
- K is the corner radius.

M6-2PL:

- E is the distance from the horizontal center of the plaque to the arrow tip.
- F is the distance from the horizontal center of the plaque to the center of the arrow shaft.

M6-2aP: Directional Arrow – Oblique, Downward (plaque) – Sheet 1

M6-2aPR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the horizontal center of the plaque to the arrow tip.
- F is the distance from the vertical center of the plaque to the arrow tip.
- G is the distance from the horizontal center of the sign to the center of the arrow base.
- H is the distance from the vertical center of the plaque to the center of the arrow base.
- J is the length of the arrow.
- K is the width of the arrowhead.
- L is the corner radius.

M6-2aPL:

- E is the distance from the horizontal center of the plaque to the arrow tip.
- F is the distance from the vertical center of the plaque to the arrow tip.

M6-2aP: Directional Arrow – Oblique, Downward (plaque) – Sheet 2

M6-2aPR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the horizontal center of the plaque to the arrow tip.
- E is the distance from the vertical center of the plaque to the arrow tip.
- F is the distance from the horizontal center of the sign to the center of the arrow base.
- G is the distance from the vertical center of the plaque to the center of the arrow base.
- H is the length of the arrow.
- J is the width of the arrowhead.
- K is the corner radius.

M6-2aPL:

- D is the distance from the horizontal center of the plaque to the arrow tip.
- E is the distance from the vertical center of the plaque to the arrow tip.

M6-3P: Directional Arrow – Through (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the arrow to the top of the plaque and from the bottom of the arrow to the bottom of the plaque.
- F is the height of the arrow.
- G is the distance from the vertical center of the plaque to the left and right edges of the arrowhead.
- H is the corner radius.

M6-3P: Directional Arrow – Through (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrow to the top of the plaque and from the bottom of the arrow to the bottom of the plaque.
- E is the height of the arrow.
- F is the distance from the vertical center of the plaque to the left and right edges of the arrowhead.
- G is the corner radius.

M6-4P: Directional Arrow – Turn (Two-way) (plaque) – Sheet 1

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrowhead to the top of the plaque and from the bottom of the arrowhead to the bottom of the plaque.
- E is the height of the arrowhead.
- F is the distance from the vertical center of the plaque to the left and right edges of the arrow.
- G is the corner radius.

M6-4P: Directional Arrow – Turn (Two-way) (plaque) – Sheet 2

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the arrowhead to the top of the plaque and from the bottom of the arrowhead to the bottom of the plaque.
- E is the height of the arrowhead.
- F is the distance from the vertical center of the plaque to the left and right edges of the arrow.
- G is the corner radius.

M6-5P: Directional Arrow – Oblique (Two-way) (plaque) – Sheet 1

M6-5PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the vertical center of the plaque to the tip of each arrow.
- F is the distance from the horizontal center of the plaque to the tip of each arrow.
- G is the length of the arrow.
- H is the width of each arrowhead.
- J is the corner radius.

M6-5PL:

- E is the distance from the vertical center of the plaque to the tip of each arrow.
- F is the distance from the horizontal center of the plaque to the tip of each arrow.

M6-5P: Directional Arrow – Oblique (Two-way) (plaque) – Sheet 2

M6-5PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the vertical center of the plaque to the tip of each arrow.
- E is the distance from the horizontal center of the plaque to the tip of each arrow.
- F is the length of the arrow.
- G is the width of each arrowhead.
- H is the corner radius.

M6-5PL:

- D is the distance from the vertical center of the plaque to the tip of each arrow.
- E is the distance from the horizontal center of the plaque to the tip of each arrow.

M6-6P: Directional Arrow – Through and Turn (plaque) – Sheet 1

M6-6PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the horizontal center of the plaque to the tip of the rightward pointing arrow.
- F is the distance from the vertical center of the plaque to the tip of the rightward pointing arrow.
- G is the distance from the horizontal center of the plaque to the tip of the upward pointing arrow.
- H is the distance from the vertical center of the plaque to the tip of the upward pointing arrow.
- J is the height of the arrowhead.
- K is the corner radius.

M6-6PL:

- E is the distance from the horizontal center of the plaque to the tip of the leftward pointing arrow.
- F is the distance from the vertical center of the plaque to the tip of the leftward pointing arrow.

M6-6P: Directional Arrow – Through and Turn (plaque) – Sheet 2

M6-6PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the horizontal center of the sign to the tip of the rightward pointing arrow.
- E is the distance from the vertical center of the sign to the tip of the rightward pointing arrow.
- F is the distance from the horizontal center of the sign to the tip of the upward pointing arrow.
- G is the distance from the vertical center of the sign to the tip of the upward pointing arrow.
- H is the height of the arrowhead.
- J is the corner radius.

M6-6PL:

- D is the distance from the horizontal center of the plaque to the tip of the leftward pointing arrow.
- E is the distance from the vertical center of the plaque to the tip of the leftward pointing arrow.

M6-7P: Directional Arrow – Through and Oblique (plaque) – Sheet 1

M6-7PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the horizontal center of the plaque to the tip of the angled arrow.
- F is the distance from the vertical center of the plaque to the tip of the angled arrow.
- G is the distance from the vertical center of the plaque to the center of the vertical arrow.
- H is the distance from the horizontal center of the plaque to the arrow base.
- J is the distance from the horizontal center of the arrow to the tip of the vertical arrow.
- K is the width of each arrowhead.
- L is the corner radius.

M6-7PL:

- F is the distance from the vertical center of the plaque to the tip of the angled arrow.
- J is the distance from the horizontal center of the plaque to the tip of the vertical arrow.

M6-7P: Directional Arrow – Through and Oblique (plaque) – Sheet 2

M6-7PR:

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the horizontal center of the plaque to the tip of the angled arrow.
- E is the distance from the vertical center of the plaque to the tip of the angled arrow.
- F is the distance from the vertical center of the plaque to the center of the vertical arrow.
- G is the distance from the horizontal center of the plaque to the arrow base.
- H is the distance from the horizontal center of the plaque to the tip of the vertical arrow.
- J is the width of each arrowhead.
- K is the corner radius.

M6-7PL:

- E is the distance from the vertical center of the plaque to the tip of the angled arrow.
- H is the distance from the horizontal center of the arrow to the tip of the vertical arrow.

M10-1: National Scenic Byway

- A is the length of each edge of the sign.
- B is the inset from the edge of the sign to the border.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the bottom of the last line to the bottom of the sign.
- H is the distance from the vertical center of the sign to the left and right edges of the symbol.
- J is the distance from the vertical center of the sign to the left edge of the first line.
- K is the distance from the vertical center of the sign to the right edge of the first line.
- L is the distance from the vertical center of the sign to the left and right edges of the second line.
- M is the corner radius.

M10-1aP: National Scenic Byway (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the inset from the edge of the plaque to the border.
- D is the border width.
- E is the distance from the top of the line to the top of the plaque.
- F is the letter height and FHWA standard font for the line.
- G is the distance from the bottom of the line to the bottom of the plaque.
- H is the distance from the bottom of the logo to the bottom of the plaque.
- J is the distance from the bottom of the logo to the top of the plaque.
- K is the distance from the vertical center of the sign to the left edge of the logo.
- L is the distance from the vertical center of the sign to the right edge of the logo.
- M is the distance from the vertical center of the sign to the left edge of the first word.
- N is the distance from the vertical center of the sign to the right edge of the first word.
- P is the space between the words.
- Q is the width of the second word.
- R is the corner radius.

M10-2: Byway Identification

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- D is the letter height and FHWA standard font for each line.
- E is the space between the lines.
- F is the distance from the vertical center of the sign to the left and right edges of each line.
- G is the corner radius.

M10-2aP: Byway Identification (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the width of each word on the first line and the distance from the vertical center of the sign to the left and right edges of the second line.
- H is the space between the words on the first line.
- J is the corner radius.

M10-3: State Scenic Byway System

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the first line to the top of the sign and the bottom of the last line to the bottom of the sign.
- D is the letter height and FHWA standard font for the first line.
- E is the letter height and FHWA standard font for the second and third lines.
- F is the space between the second and third lines.
- G is the distance from the vertical center of the sign to the left and right edges of the first line.
- H is the width of the second line.
- J is the distance from the right edge of the second line to the right edge of the sign.
- K is the width of the third line.
- L is the corner radius.

M10-3a: State Scenic Byway – Simple Graphic and Byway Identification

- A is the length of each side of the sign.
- B is the border width.
- C is the distance from the bottom of the graphic to the top of the sign.
- D is the space between the graphic and the first line.
- E is the letter height and FHWA standard font for each line.
- F is the space between the first and second lines.
- G is the distance from the bottom of the last line to the bottom of the sign.
- H is the distance from the vertical center of the sign to the left and right edges of the graphic.
- J is the width of the first word on the first line.
- K is the space between the words on the first line.
- L is the width of the second word on the first line.
- M is the distance from the vertical center of the sign to the left and right edges of the third line.
- N is the corner radius.

M10-3bP: Scenic Byway (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque, the space between the lines, and the distance from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the distance from the vertical center of the plaque to the left and right edges of the first line.
- G is the distance from the vertical center of the plaque to the left and right edges of the second line.
- H is the corner radius.

M11-1: National Historic Trail – Identification

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the logo to the top of the sign.
- D is the height of the logo.
- E is the space between the logo and the first line.
- F is the letter height and FHWA standard font for the lines.
- G is the space between the lines.
- H is the distance from the bottom of the last line to the bottom of the sign.
- J is the distance from the vertical center of the sign to the left and right edges of the first line.
- K is the distance from the vertical center of the sign to the left and right edges of the second line.
- L is the corner radius.

M11-1aP: National Historic Trail – Historic Route (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque, the space between the lines, and the distance from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the distance from the vertical center of the plaque to the left edge of the first line.
- G is the distance from the vertical center of the plaque to the right edge of the first line.
- H is the distance from the vertical center of the plaque to the left and right edges of the second line.
- J is the corner radius.

M11-1bP: National Historic Trail - Crossing (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left and right edges of the line.
- G is the corner radius.

M11-1cP: National Historic Trail – Auto Tour Route (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque, the space between the lines, and the distance from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the width of the first word on the first line.
- G is the distance from the vertical center of the plaque to the right edge of the first word on the first line.
- H is the distance from the vertical center of the plaque to the left edge of the second word on the first line.
- J is the width of the second word on the first line.
- K is the distance from the vertical center of the plaque to the left and right edges of the second line.
- L is the corner radius.

M11-1dP: National Historic Trail - Distance (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the first line to the top of the plaque and from the bottom of the last line to the bottom of the plaque.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the vertical center of the plaque to the left edge of the first line.
- H is the distance from the vertical center of the plaque to the right edge of the first line.
- J is the distance from the vertical center of the sign to the left and right edges of the second line.
- K is the width of the first word on the second line.
- L is the space between the words on the second line.
- M is the width of the second word on the second line.
- N is the corner radius.

II-1: Traffic Signal Speed – Sheet 1

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first and second lines.
- F is the space between the first and second lines.
- G is the space between the second, third, and fourth lines.
- H is the letter height and FHWA standard font for the third line.
- J is the letter height and FHWA standard font for the fourth line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- L is the width of the first word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- P is the width of the second word on the second line.
- Q is the distance from the vertical center of the sign to the left and right edges of the third line.
- R is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- S is the corner radius.

II-1: Traffic Signal Speed – Sheet 2

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first and second lines.
- F is the space between the first and second lines.
- G is the space between the second, third, and fourth lines.
- H is the height of the changeable message element
- J is the letter height and FHWA standard font for the fourth line.
- K is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- L is the width of the first word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the second line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the second line.
- P is the width of the second word on the second line.
- Q is the distance from the vertical center of the sign to the left and right edges of the changeable message element.
- R is the distance from the vertical center of the sign to the left and right edges of the number on the changeable message element.
- S is the letter height and FHWA standard font for the number on the changeable message element.
- T is the distance from the vertical center of the sign to the left and right edges of the word on the fourth line.
- U is the corner radius.

I2-1: Jurisdictional Boundary

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the space between lines.
- G is the letter height and FHWA standard font for the second line.
- H is the distance from the left edge of the first line to the left edge of the sign and from the right edge of the first line to the right edge of the sign.
- J is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- K is the distance from the left edge of the second line to the left edge of the sign and from the right edge of the second line to the right edge of the sign.
- L is the distance from the vertical center of the sign to the left and right edges of the second line.
- M is the corner radius.

I2-2: Geographical Feature

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the left edge of the word on the first line to the left edge of the sign and from the right edge of the word on the first line to the right edge of the sign.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- J is the distance from the left edge of the word on the second line to the left edge of the sign and from the right edge of the word on the second line to the right edge of the sign.
- K is the width of the word on the second line.
- L is the corner radius.

I2-3: Grade Separation Identification

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the line to the top of the sign and from the bottom of the line to the bottom of the sign.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the left edge of the first word on the line to the left edge of the sign and from the right edge of the second word on the line to the right edge of the sign.
- H is the space between the words.
- J is the width of the second word on the line.
- K is the corner radius.

I2-3a: Grade Separation Identification (2 lines)

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the left edge of the word on the first line to the left edge of the sign and from the right edge of the word on the first line to the right edge of the sign.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- J is the distance from the left edge of the first word on the second line to the left edge of the sign and from the right edge of the second word on the second line to the right edge of the sign.
- K is the width of the first word on the second line.
- L is the space between the words on the second line.
- M is the width of the second word on the second line.
- N is the corner radius.

I2-4: Future Interstate Corridor

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign, the space between the lines, and the distance from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first and third lines.
- F is the letter height and FHWA standard font for the second line.
- G is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- J is the distance from the vertical center of the sign to the left edge of the word on the third line.
- K is the distance from the vertical center of the sign to the right edge of the word on the third line.
- L is the corner radius.

I2-4a: Future I-XX Corridor

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign, the space between the lines, and the distance from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the letter height and FHWA standard font for the second line.
- G is the letter height and FHWA standard font for the third line.
- H is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- J is the distance from the vertical center of the sign to the left edge of the letter on the second line and the right edge of the number on the second line.
- K is the width of the letter on the second line.
- L is the width of the hyphen and the space surrounding the hyphen on the second line.
- M is the width of the number on the second line.
- N is the distance from the vertical center of the sign to the left edge of the word on the third line.
- P is the distance from the vertical center of the sign to the right edge of the word on the third line.
- Q is the corner radius.

I3-5: Airport

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- D is the height of the symbol.
- E is the corner radius.

I3-6: Bus Station

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- D is the height of the symbol.
- E is the corner radius.

I3-7: Train Station

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign and the distance from the bottom of the symbol to the bottom of the sign.
- D is the height of the symbol.
- E is the corner radius.

I3-8: Light Rail Transit Station

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign and the distance from the bottom of the symbol to the bottom of the sign.
- D is the height of the symbol.
- E is the corner radius.

I3-9: Vehicle Ferry Terminal

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign.
- D is the height of the symbol.
- E is the distance from the bottom of the symbol to the bottom of the sign.
- F is the corner radius.

I3-10: Passenger Only Ferry Terminal

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign.
- D is the height of the symbol.
- E is the distance from the bottom of the symbol to the bottom of the sign.
- F is the corner radius.

I3-10P: Ferry (plaque)

- A is the horizontal dimension of the plaque.
- B is the vertical dimension of the plaque.
- C is the border width.
- D is the distance from the top of the line to the top of the plaque and from the bottom of the line to the bottom of the plaque.
- E is the letter height and FHWA standard font for the line.
- F is the distance from the vertical center of the plaque to the left edge of the line
- G is the distance from the vertical center of the plaque to the right edge of the line.
- H is the corner radius.

I4-1: Library

- A is the length of each edge of the sign.
- B is the border width.
- C is the distance from the top of the symbol to the top of the sign and from the bottom of the symbol to the bottom of the sign.
- D is the height of the symbol.
- E is the corner radius.

I4-2: Recycling Center

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the symbol to the top of the sign.
- E is the height of the symbol.
- F is the space between the symbol and the first line.
- G is the letter height and FHWA standard font for each line.
- H is the space between the lines.
- J is the distance from the bottom of the last line to the bottom of the sign.
- K is the distance from the vertical center of the sign to the left and right edges of the first line.
- L is the distance from the vertical center of the sign to the left and right edges of the second line.
- M is the corner radius.

I13-2: Push to Exit

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- E is the letter height and FHWA standard font for each line.
- F is the space between the lines.
- G is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- H is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- J is the space between the words on the first line.
- K is the width of the second word on the first line.
- L is the distance from the vertical center of the sign to the left edge of the word on the second line.
- M is the distance from the vertical center of the sign to the right edge of the word on the second line.
- N is the corner radius.

I20-4: Acknowledgement – Rest Area

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the first and second lines.
- G is the letter height and FHWA standard font for the second line and the line on the panel.
- H is the space between the second line and the panel.
- J is the height of the panel.
- K is the distance from the bottom of the line on the panel to the bottom of the panel.
- L is the width of the first word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the left edge of the second word on the first line.
- P is the width of the second word on the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the panel.
- S is the distance from the vertical center of the sign to the left and right edges of the line on the panel.
- T is the border width of the panel border.
- U is the corner radius of the panel.
- V is the corner radius of the sign.

I20-4a: Acknowledgement – Welcome Center

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the border width.
- D is the distance from the top of the first line to the top of the sign.
- E is the letter height and FHWA standard font for the first line.
- F is the space between the first and second lines.
- G is the letter height and FHWA standard font for the second and the line on the panel.
- H is the space between the second line and the panel.
- J is the height of the panel.
- K is the distance from the bottom of the line on the panel to the bottom of the panel.
- L is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- N is the space between the first word and the second word on the first line.
- P is the width of the second word on the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the panel.
- S is the distance from the vertical center of the sign to the left and right edges of the line on the panel.
- T is the border width of the panel border.
- U is the corner radius of the panel.
- V is the corner radius of the sign.

EM1-1: Evacuation Route

- A is the length of each edge of the sign.
- B is the shortest distance from the edge of the circle to the edge of the sign.
- C is the distance from the top of the arrow to the top of the circle.
- D is the height of the arrow.
- E is the space from the bottom of the arrow to the top of the first line and the space between the lines.
- F is the letter height and FHWA standard font for the first line.
- G is the letter height and FHWA standard font for the second line.
- J is the distance from the vertical center of the sign to the left and right edges of the arrowhead.
- H is the distance from the bottom of the last line to the bottom of the circle.
- K is the distance from the vertical center of the sign to the left and right edges of the first line.
- L is the distance from the vertical center of the sign to the left edge of the second line.
- M is the distance from the vertical center of the sign to the right edge of the second line.
- N is the corner radius.

EM1-1a: Evacuation Route – Hurricane

- A is the length of each edge of the sign.
- B is the distance from each edge of the sign to the nearest point on the edge of the circle.
- C is the distance from the top of the circle to the tip of the arrowhead.
- D is the height of the arrow symbol.
- E is the space between the lines.
- F is the letter height and FHWA standard font for the second, third, and fourth lines.
- G is the distance from the bottom of the last line to the bottom of the circle.
- H is the distance from the vertical center of the sign to the left and right edges of the arrowhead.
- J is the distance from the vertical center of the sign to the left edge of the word on the second line.
- K is the distance from the vertical center of the sign to the right edge of the word on the second line.
- L is the distance from the vertical center of the sign to the left edge of the word on the third line.
- M is the distance from the vertical center of the sign to the right edge of the word on the third line.
- N is the distance from the vertical center of the sign to the left edge of the word on the fourth line.
- P is the distance from the vertical center of the sign to the right edge of the word on the fourth line.
- Q is the corner radius.

EM1-2: Evacuation Route – Tsunami

- A is the length of each edge of the sign.
- B is the shortest distance from the right and left edges of the circle to the edges of the sign.
- C is the height of the circle.
- D is the distance from the horizontal center of the sign to the top edge of the circle.
- E is the distance from the horizontal center of the sign to the top of the first line and the space between the lines.
- F is the letter height and FHWA standard font for the lines.
- G is the distance from the bottom of the last line to the bottom of the circle.
- H is the distance from the vertical center of the sign to the left edge of the first line.
- J is the distance from the vertical center of the sign to the right edge of the first line.
- K is the distance from the vertical center of the sign to the left edge of the second line.
- L is the distance from the vertical center of the sign to the right edge of the second line.
- M is the circle radius.
- N is the corner radius.

EM2-1: Area Closed

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the bottom of the last line to the bottom of the sign.
- J is the distance from the vertical center of the sign to the left and right edges of the first line.
- K is the distance from the vertical center of the sign to the left edge of the second line.
- L is the distance from the vertical center of the sign to the right edge of the second line.
- M is the corner radius.

EM2-2: Traffic Control Point

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for each line.
- G is the space between the lines.
- H is the distance from the vertical center of the sign to the left edge of the first line.
- J is the distance from the vertical center of the sign to the right edge of the first line.
- K is the distance from the vertical center of the sign to the left edge of the second line.
- L is the distance from the vertical center of the sign to the right edge of the second line.
- M is the distance from the vertical center of the sign to the left edge of the third line.
- N is the distance from the vertical center of the sign to the right edge of the third line.
- P is the corner radius.

EM2-3: Maintain Top Safe Speed

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first, second, and third lines.
- H is the letter height and FHWA standard font for the second line.
- J is the letter height and FHWA standard font for the third and fourth lines.
- K is the space between the third and fourth lines.
- L is the distance from the vertical center of the sign to the left edge of the first line.
- M is the distance from the vertical center of the sign to the right edge of the first line.
- N is the distance from the vertical center of the sign to the left edge of the second line.
- P is the distance from the vertical center of the sign to the right edge of the second line.
- Q is the distance from the vertical center of the sign to the left edge of the third line.
- R is the distance from the vertical center of the sign to the right edge of the third line.
- S is the distance from the vertical center of the sign to the left and right edges of the fourth line.
- T is the corner radius.

EM2-4: Permit Required

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign and from the bottom of the last line to the bottom of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first, second, and third lines.
- H is the letter height and FHWA standard font for the second line.
- J is the letter height and FHWA standard font for the third line.
- K is the space between the third and fourth lines.
- L is the letter height and FHWA standard font for the fourth and fifth lines.
- M is the distance from the vertical center of the sign to the left edge of the first word on the first line.
- N is the distance from the vertical center of the sign to the right edge of the first word on the first line.
- P is the space between the words on the first line.
- Q is the width of the second word on the first line.
- R is the distance from the vertical center of the sign to the left and right edges of the second line.
- S is the distance from the vertical center of the sign to the left edge of the third line.
- T is the distance from the vertical center of the sign to the right edge of the third line.
- U is the width of the first word on the fourth line.
- V is the distance from the vertical center of the sign to the right edge of the first word on the fourth line.
- W is the distance from the vertical center of the sign to the left edge of the second word on the fourth line.
- X is the width of the second word on the fourth line.
- Y is the distance from the vertical center of the sign to the left edge of the fifth line.
- Z is the distance from the vertical center of the sign to the right edge of the fifth line.
- AA is the corner radius.

EM3-1: Emergency Aid Center – Medical

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first and second lines.
- G is the space between the first and second lines.
- H is the space between the second line and the arrow symbol.
- J is the height of the arrow symbol.
- K is the distance from the bottom of the arrow symbol to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- N is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- P is the corner radius.

EM3-1a: Emergency Aid Center – Welfare

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first and second lines.
- G is the space between the first and second lines.
- H is the space between the second line and the arrow symbol.
- J is the height of the arrow symbol.
- K is the distance from the bottom of the arrow symbol to the bottom of the sign.
- L is the distance from the vertical center of the sign to the left edge of the word on the first line.
- M is the distance from the vertical center of the sign to the right edge of the word on the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- Q is the corner radius.

EM3-1b: Emergency Aid Center – Registration

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first and second lines.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second line and the arrow symbol.
- K is the height of the arrow symbol.
- L is the distance from the bottom of the arrow symbol to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- Q is the corner radius.

EM3-1c: Emergency Aid Center – Decontamination

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first and second lines.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second line and the arrow symbol.
- K is the height of the arrow symbol.
- L is the distance from the bottom of the arrow symbol to the bottom of the sign.
- M is the distance from the vertical center of the sign to the left and right edges of the word on the first line.
- N is the distance from the vertical center of the sign to the left and right edges of the word on the second line.
- P is the distance from the vertical center of the sign to the left and right edges of the arrow symbol.
- Q is the corner radius.

EM4-1: Shelter Directional – Emergency

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line.
- G is the space between the first and second lines.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second line and the arrow and the second line and the number.
- K is the height of the arrowhead.
- L is the distance from the bottom of the arrow to the bottom of the sign.
- M is the distance from the bottom of the number on the last line to the bottom of the sign.
- N is the letter height and FHWA standard font for the number on the third line.
- P is the distance from the vertical center of the sign to the left and right edges of the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the distance from the vertical center of the sign to left and right edges of the third line.
- S is the width of the number on the third line.
- T is the space between the number and the letters on the third line.
- U is the width of the letters on the third line.
- V is the space between the letters and the arrow on the third line.
- W is the width of the arrow.
- X is the space between the second line and the letters on the third line.
- Y is the letter height and FHWA standard font for the letters on the third line.
- Z is the corner radius.

EM4-1a: Shelter Directional – Hurricane

- A is the horizontal dimension of the sign.
- B is the vertical dimension of the sign.
- C is the inset from the edge of the sign to the border.
- D is the border width.
- E is the distance from the top of the first line to the top of the sign.
- F is the letter height and FHWA standard font for the first line and the letters on the third line.
- G is the space between the first and second lines.
- H is the letter height and FHWA standard font for the second line.
- J is the space between the second line and the arrow and the second line and the number.
- K is the letter height and FHWA standard font for the number on the third line.
- L is the distance from the bottom of the number on the last line to the bottom of the sign.
- M is the distance from the bottom of the arrow to the bottom of the sign.
- N is the height of the arrowhead.
- P is the distance from the vertical center of the sign to the left and right edges of the first line.
- Q is the distance from the vertical center of the sign to the left and right edges of the second line.
- R is the distance from the vertical center of the sign to the left and right edges of the third line.
- S is the width of the arrow.
- T is the space between the arrow and the number on the third line.
- U is the width of the number on the third line.
- V is the space between the number and letters on the third line.
- W is the width of the letters on the third line.
- X is the space between the second line and the letters on the third line.
- Y is the letter height and FHWA standard font for the letters on the third line.
- Z is the corner radius.